

TECHSPEC[®] 50mm Dia. x 500mm FL, MgF₂ Coated, Achromatic Doublet Lens



MgF₂ Coated Achromatic Lenses



Stock **#45-271** ☐ In Stock

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1



\$168.00

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Qty 1-5

\$168.00

Qty 6+

\$134.50

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Diameter (mm):
50.00 +0.0/-0.025

Effective Focal Length EFL (mm):

500.00
Focal Length Tolerance (%): ±1
Back Focal Length BFL (mm): 494.50
Focal Length Specification Wavelength (nm): 587.6
Clear Aperture CA (mm): 49.00
Centering (arcmin): <1
Center Thickness CT (mm): 12.00 ±0.20
Center Thickness CT 1 (mm): 8.00 ±0.10
Center Thickness CT 2 (mm): 4.00 ±0.10
Radius R ₁ (mm): 305.74
Radius R ₂ (mm): -223.20
Radius R ₃ (mm): -663.82
Edge Thickness ET (mm): 10.51
Substrate: N-BK7 / N-SF5
Surface Quality: 40-20
f/#: 10.00
Numerical Aperture NA: 0.05
Coating: MgF ₂ (400-700nm)
Coating Specification: R _{avg} ≤1.75% @ 400 - 700nm
Power (P-V) @ 632.8nm: 1.5λ
Irregularity (P-V) @ 632.8nm: λ/4
Bevel: Protective bevel as needed
Type: Achromatic Lens
Wavelength Range (nm): 400 - 700

Regulatory Compliance

RoHS 2015: Compliant
Reach 224: Compliant
Certificate of Conformance: View